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Agency for Planning

**Demographic Projections
Regional Modeling
and
Plan Scenario Evaluation**

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Scenarios allow us to join Modeling and Planning work

- Scenario Dimensions

- Planning Strategies

Indicators

- Thematic Intensity

Constraints

Geography

All projected to 2040



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What are Demographics?

- Characteristics of people
- Can be measured
- Can be grouped
 - By characteristic attributes
 - By geography



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Examples of Demographic Variables

- Gender
- Age
- Race
- Ethnicity
- Income



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What are Demographic Projections?

- Estimated values for a future year
- Determined by:
 - Time marching on...
 - Births, deaths, migration
 - Economic pressures
 - Jobs, housing
 - Public Policy effects
 - Education, health care, social services, environmental protection
- Most indicators derive from demographic change



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How do we plan for change?

- Anticipate a future problem
 - Who is affected?
 - Why is it a problem?
 - What are the possible remedies?
- Develop a “strategy”
 - What is the expected outcome?
 - What public policy actions are needed?



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Why do we evaluate future scenarios?

- Multiple strategies interact
- Strategies might complement or contradict each other
- Assemble thematic “Scenarios” from complementary strategies



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How do we account for constraints?

- Establish a “budget”
 - Financial
 - Environmental
 - Social and Cultural
- “Trade” scenario budget and benefits
 - Between strategies
 - Between demographics
 - Between geographies



Why do we use “models” to compare outcomes?

- Objective comparison of scenarios
 - Consistent definition and measurement of variables
 - Mathematical statements of individual cause and effect
 - Multiple statements placed in logical order
 - Program for iterative logic, feedback and equilibrium



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